

(19)

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(11)

EP 1 067 656 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
06.03.2002 Bulletin 2002/10

(51) Int Cl. 7: H02K 1/27

(43) Date of publication A2:
10.01.2001 Bulletin 2001/02

(21) Application number: 00113200.0

(22) Date of filing: 03.07.2000

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE

Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 07.07.1999 IT PD990153

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(54) **Brushless electric motor with permanent magnets inside the rotor and electronic power supply and driver thereof**

(57) A brushless motor in which the rotor (2) is divided into four quadrants, each having at least one recess (9,10) whose central region is arranged at 45° with

respect to the axes along which the quadrant is ideally defined; a permanent magnet (15,19) shaped like a parallelepiped being inserted within the region of the recess (9, 10).

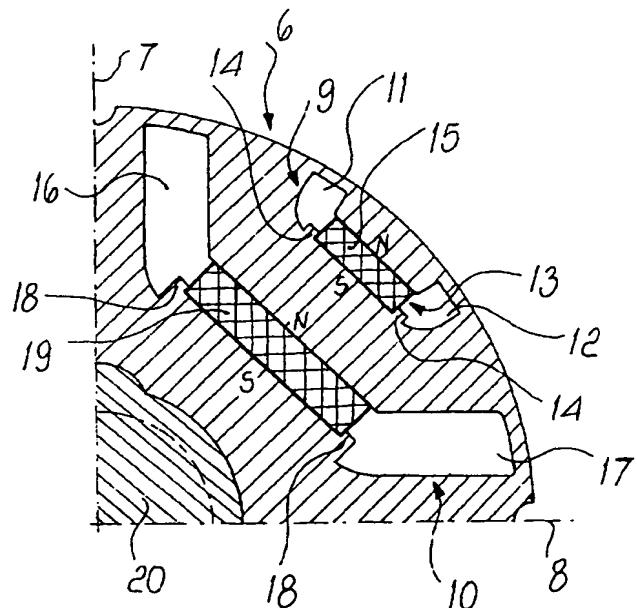


FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 00 11 3200

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 698 (E-1481), 20 December 1993 (1993-12-20) & JP 05 236687 A (DAIKIN IND LTD), 10 September 1993 (1993-09-10) * abstract; figures *	1-4	H02K1/27						
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<p>The present search report has been drawn up for all claims</p> <table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>15 January 2002</td> <td>Ramos, H</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	15 January 2002	Ramos, H
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<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p>		<p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>							

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ON EUROPEAN PATENT APPLICATION NO.

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